



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 34] नई दिल्ली, शनिवार, अगस्त 23, 1980 (भाद्रा 1, 1902)

No. 34] NEW DELHI, SATURDAY, AUGUST 23, 1980 (BHADRA 1, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate Paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

PATENTS AND DESIGNS THE PATENT OFFICE

Calcutta, the 23rd August 1980

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700 017.

The dates shown in crescent brackets are the dates claimed
under Section 135 of the Act.

17th July 1980

818/Cal/80. Mrs. Monique Lucie Suzanne Minvielle, A.H.F. Mazoin, R. P. Brun, S. V. J. Chevanne and J. L. A. See. A draining, irrigating and dispersing mass.

819/Cal/80. Samuel Osborn (India) Ltd. Tea processing machine.

820/Cal/80. Fichtel & Sachs AG. Derailleur mechanism.

821/Cal/80. Fichtel & Sachs AG. Derailleur mechanism on a bicycle.

822/Cal/80. Ing. W. Holzer. Circulating pump for conveying a fluid and/or gaseous medium.

18th July 1980.

823/Cal/80. SID Richardson Carbon & Gasoline Co. Carbon black process and apparatus.

824/Cal/80. Kins Developments Limited. Fermentation process for the manufacture of an organic compound. (July 18, 1979) (May 19, 1980).

825/Cal/80. Johnson & Johnson Baby Products Company. A gatherable laminated structure including an apertured elastic member.

826/Cal/80. Showa Rhodia Chemicals K. K. Apparatus for dispensing liquid at selected constant rate.

19th July 1980.

827/Cal/80. Rotork Controls Limited. Fail-safe device for actuators. (July 20, 1979).

21st July 1980

828/Cal/80. Jeesona Corporation. Air weft insertion, strand delivery and storage systems.

829/Cal/80. Indian Explosives Limited. The Alkali and Chemical Corporation and Chemicals and Fibres of India Limited. Process for the preparation of functionalised polystyrene supported rhodium dicarbonyl complex.

830/Cal/80. Indian Explosives Limited. The Alkali and Chemical Corporation of India Limited and Chemicals and Fibres of India Limited. Process for the preparation of polystyrene or divinylbenzene cross linked polystyrene supported osmium cluster catalyst.

22nd July 1980

831/Cal/80. Amitava Ghosh Dastidar. Improvements in or relating to method and means for improving engineering properties of soft soils, particularly clay.

832/Cal/80. Hemex, Inc. Heartvalve prosthesis.

833/Cal/80. Westinghouse Electric Corporation. Method and apparatus for the detection of stagnant regions in a fluidized bed or in pneumatic conveying lines.

834/Cal/80. Mussey-Ferguson Services N. V. Improvements in transmissions. (July 23, 1979) (July 23, 1979), (July 23, 1979).

835/Cal/80. General Electric Company. Supported diamond and improved method for preparing diamond compacts containing single crystal diamonds.

836/Cal/80. Indian Explosives Limited, The Alkali and Chemical Corporation of India Limited and Chemicals and Fibres of India Limited. Process for the manufacture of graft copolymers of guar gum with vinyl and vinylidene monomers and their applications.

23rd July 1980

837/Cal/80. Valico P.v.b.a. Filler valve for a liquefied-gas tank.

838/Cal/80. Blue Circle Industries Limited. Portland cement clinker. (August 1, 1979).

839/Cal/80. Hoechst Aktiengesellschaft. Solid matter of the salinomycin culture broth and process for its manufacture.

840/Cal/80. Dynamit Nobel Aktiengesellschaft. Isolation and re-use of cobalt compounds and manganese compounds from the witen DMT process.

841/Cal/80. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for effecting a join in a bound thread.

842/Cal/80. Burroughs Corporation. Media wear distribution means. (August 2, 1979).

843/Cal/80. The Cross Company. Tool compensation mechanism.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH 61, WALLAJAH ROAD,

MADRAS-600 002.

14th July 1980

130/Mas/80. S. A. R. Navakodi. Disposable ampoule syringe.

131/Mas/80. S. A. R. Navakodi. Changing figure toy.

132/Mas/80. S. A. R. Navakoli. Magnetic disc player and disc book.

133/Mas/80. S. A. R. Navakodi. Improvements in or relating to drip set.

19th July 1980

134/Mas/80. B. Kamalakannan & Mrs. J. Usha. A device for dipping the headlamps of a vehicle.

135/Mas/80. B. Verghese. Grip track or track generating own adhesion by pressure difference.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depôt, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 15C.

147945.

Int. Cl.-F16c 33/08.

AUXILIARY BEARING FOR DETERMINING RADIAL AND AXIAL PLAY OF TURBINE SHAFTS.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, MULHEIM (RUHR) 4330 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventor : KARL ROHR.

Application No. 884/Cal/77 filed June 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An auxiliary bearing for determining radial and axial play of a turbine shaft, the auxiliary bearing having a bridge-shaped carrying yoke mounted on bearing brackets axially adjacent operating bearing shells, swingable and turnable adjusting bolts suspending a semicircular support yoke from the bridge-shaped carrying yoke, and adjusting bolts horizontally screwable into the semi-circular yoke so as to deflect the latter laterally, characterized in that a lining of antifriction metal is disposed on the inner periphery of the semicircular support yoke for slideably supporting the turbine shaft, said lining of antifriction metal being formed with three oil pockets serially disposed in peripheral direction thereof, and including a separate pressure oil feed line connection to each of said three oil pockets.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 50B.

147946.

Int. Cl.-F24f 13/00.

A DEVICE FOR USE WITH A CEILING FAN FOR COOLING THE AIR SUPPLIED BY THE FAN BLADES.

Applicant & Inventor : GRISH MOHAN KAMRA, OF B-3, GREATER KAILASH, NEW DELHI-110048, INDIA.

Application No. 233/Del/77 filed September 9, 1977.

Complete Specification left September 11, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A device for use with a ceiling fan for cooling the air supplied by the fan blades comprising a water chamber disposed adjacent to the down rod of the ceiling fan, a water soaking material unit disposed above the fan blades so that the air drawn by the fan blades passes through the water soaking material unit characterized in that the means for delivering water to the water soaking material unit comprises a ring shaped pipe having openings on its lower face, secured to the down rod and disposed above the said unit.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

Prov. Specn. 4 pages.

CLASS 158E3.

147947.

Int. Cl.-B61f 1/00.

VEHICLE SUSPENSION.

Applicant : DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON S.W. 1, ENGLAND.

Inventor : REGINALD HARRISON.

Application No. 341/Del/77 filed October 24, 1977.

Convention date October 29, 1976/(45017/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

14 Claims.

A vehicle suspension comprising a side-bearer interposed between the body of a vehicle and a wheel carrying frame of the vehicle to support the body relative to the wheel carrying frame, the side-bearer comprising a tubular body of elastomeric material positioned in the suspension such that the weight of the vehicle body causes compression of tubular body in a direction extending between the ends of the tubular body, the tubular body having a waist disposed substantially centrally between the ends of the tubular body and each end portion of the tubular body is of progressively increasing external diameter in a direction leading from the waist to the ends whereby both the vertical compression stiffness and horizontal shear stiffness progressively increase with increase in the compression loading.

Comp. Specn. 10 Pages.

Drg. 5 Sheets.

CLASS 70C. & C₄ & 130-I.

147948.

Int. Cl.-C22d 1/22.

AN IMPROVED PROCESS FOR THE SIMULTANEOUS ELECTROLYTIC PRODUCTION OF ZINC METAL AND MANGANESE DIOXIDE FROM ZINC SULPHIDE CONCENTRATES AND MANGANESE ORES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : VISHWANATH ANANT ALTEKAR, ANAND MOHAN PANDE AND KEDAR NATH GUPTA.

Application No. 521/Del/77 filed on December 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims. No drawings.

Improved process for simultaneous electrolytic production of zinc metal and manganese dioxide characterised in that an admixture of zinc sulphide concentrates and manganese ores is leached with sulphuric acid or spent electrolyte to obtain a zinc sulphate and manganese sulphate solution, subjecting the solution to electrolysis in an electrolytic cell to obtain simultaneous deposition of high purity zinc metal on the cathode and battery active manganese dioxide on the anode and using the spent electrolyte for leaching of the ore-concentrate admixture.

Comp. Specn. 9 Pages.

Drgs. Nil

CLASS 32E.

147949.

Int. Cl.-C08f 15/00, 47/08.

PROCESS FOR THE PREPARATION OF A COPOLYMER IN SUBSTANTIALLY SPHERICAL BEAD OR DROPLET FORM ADAPTED TO BE EMPLOYED AS AN IMPROVED MACROPOROUS ANION EXCHANGER.

Applicant : ION EXCHANGER (INDIA) LIMITED, TEECICON HOUSE, DR. E. MOSES ROAD, BOMBAY-400 011, MAHARASHTRA INDIA.

Inventor : STEPHEN ERNEST MICHAXEL.

Application No. 187/BOM/1977 filed on June 10, 1977.

Comp. Specn. left 11th Sept. 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

Claims 8. No drawings.

1. A process for the preparation of a copolymer in the form of fine substantially spherical beads or droplets adapted to be employed as in improved macroporous anion exchanger which comprises reacting in an aqueous stabiliser-containing electrolytic medium a homogenous monomer phase containing a mono- and a poly ethylenically unsaturated monomer dispersed within a non aqueous organic solvent such as herein described or a non-ionic surfactant such as herein described in the presence of a conventional granulating agent and a free-radical polymerisation initiator, the copolymerisation being effected at a temperature in the range from

20° to 150°C under conditions of controlled agitation of the reaction mixture to produce said copolymer in the form of fine substantially spherical beads or droplets, separating said beads from the reaction mixture by removing the solvent or surfactant, washing the beads and finally drying them.

Provisional Specn. 6 Pages.

Complete Specn. 7 Pages.

Drgs. Sheet Nil.

CLASS 87-I, 136-D.

147950.

Int. Cl.-B29h-3/042, 3/044, 7/00

A 41g 7/00.

REINFORCED ARTICLES OF ELASTOMERIC MATERIAL.

Applicant & Inventor : ARTHUR CHARLES CLOKEY DOING BUSINESS AS PREMA TOY CO. OF P.O. BOX 707, CITY OF TOPANGA, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Application No. 524/Del/79 filed on 17th July 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims.

An article of elastomeric material having a facial portion in the form of a facial likeness or a caricature capable of assuming a variety of different facial expression, said article having deformable reinforcement embedded in the elastomeric material and said facial portion and said reinforcement being capable of being manually manipulated and said reinforcement holding the elastomeric material in the selected facial expression, said reinforcement comprising a first reinforcing member extending substantially around the periphery of the facial portion of the article and a second reinforcing member extending transversely across the facial portion of article, said second reinforcing member being affixed to said first reinforcing member.

Complete Specn. 7 pages.

Drawing 1 sheet.

CLASS 64B, B₄ & 103.

147951.

Int. Cl.-H01r 11/04, 11/08, 11/10 & 11/28.

ELECTRICAL CONNECTOR.

Applicants : IMI MARSTON LIMITED, FORMERLY KNOWN AS MARSTON EXCELSIOR LIMITED, A BRITISH COMPANY, OF WOBASTON ROAD, FORD HOUSES, WOLVERHAMPTON WV10 6qJ, ENGLAND.

Inventor : MICHAEL ARTHONY WARNE, CRESTWOOD PARK.

Application No. 504/Del/78 filed on 6th July, 1978.

Convention date 26-7-77 (31300/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

14 Claims.

A connector for electrically connecting together a pair of electrical conductors, the connector comprising a first member having a first portion integral with or engageable with one of said conductors, and a second member having a first portion integral with or engageable with the other of said conductors and a second portion for electrical engagement with a complementary second portion of said first member, the first and second members each comprising a valve metal as hereinbefore defined and the electrical engagement surfaces of at least one of the said second portions comprising a material selected from the group of materials consisting of platinum group metals, alloys of platinum group metals and electrically conductive oxides of platinum group metals.

Complete Specn. 17 pages.

Drawing Sheet 1.

CLASS 98G, 129-G

147952.

Int. Cl.-F28F 1/28 & 13/02

B21d 53/02.

A HEAT EXCHANGE SURFACE AND A HEAT EXCHANGER AND METHOD FOR THE MANUFACTURE THEREOF.

Applicant : CARRIER CORPORATION AT CYRACUSE, NEW YORK, U.S.A.

Inventors : WARREN SCOTT BROTHERS AND ALBERT JOSEPH KALLFELZ.

Application No. 495/Del/78 filed on 1st July, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

18 Claims.

A heat exchange surface for transferring heat to a boiling liquid in a heat exchange apparatus comprising a wall; and ridges which are formed in the wall, each ridge having a base portion connected to the wall and two fins mounted to the base portion, said fins of each ridge being angled in opposite directions toward but spaced from the closest fin of the next adjacent ridge so that a cavity is formed between adjacent ridges, one fin from each ridge serving to partially enclose the cavity to aid in the entrainment of vapor within the cavity for promoting nucleate boiling.

A heat exchanger comprising a plurality of connected tubes for transferring heat from a relatively warm fluid within the tubes to a boiling fluid surrounding said tubes; and helical ridges on said tubes, each ridge having a base portion integral with outer surface of the tube and having two fins mounted on the base portion and integral therewith, the fins on each ridge being opposingly angled towards the next adjacent fin of the adjacent ridge so that a gapped cavity is formed by the outer surface of the tube, the base portion of the two adjacent ridges and by two fins, one fin from each adjacent ridge.

A method of forming a heat exchanger tube having integral ridges with fins angled in opposite directions to provide gapped cavities between the ridges comprising the steps of providing a tubular blank of circular cross-section; rolling the tubular blank to form alternating shallow grooves and deep grooves in the external surface thereof, the material between the deep grooves being a ridge having two fins as a part thereof; and flaring the fins of each ridge in opposite directions so that each fin extends over the deep groove on its respective side of the ridge forming a narrow gap with the flared fin from the adjacent ridge thereby converting the deep groove into a gapped cavity.

Complete Specn. 13 pages.

Drawing Sheets 2

147953.

CLASS 32F²

147954.

Int. Cl.-C07c 121/32

PROCESS FOR RECOVERY AND PURIFICATION OF OLEFINIC NITRILES.

Applicants : THE STANDARD OIL COMPANY, AT MIDLAND BUILDING, CLEVELAND, OHIO 44115. U.S.A.

Inventors : WILLIAMS OWEN FITZGIBBONS AND HSIN CHIH WU.

Application No. 527/Del/1978 filed on 18 July, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims

In the process for the recovery and purification of acrylonitrile or methacrylonitrile produced by the ammonoxidation reaction of propylene or isobutylene, molecular oxygen and ammonia in the presence of ammonoxidation catalysts comprising :

- (a) contacting the ammonoxidation reactor effluent containing acrylonitrile or methacrylonitrile, acetonitrile, and impurities with an aqueous quench liquid in a quench system to produce a gaseous quench effluent from said quench system;
- (b) absorbing said gaseous quench effluent in water to form an aqueous solution;
- (c) feeding the aqueous solution to an intermediate tray of a distillation column having a plurality of trays, using solvent water introduced in the top of

said column to perform a water extractive distillation, wherein an overhead vapor stream of acrylonitrile or methacrylonitrile with some water is removed from the top of the column, and a liquid stream containing water and impurities is removed from the bottom of the column;

- (d) removing a first sidestream from the lower half of said column to recover acetonitrile;
- (e) feeding at least a part of the liquid bottoms from said column to the quench system as quench liquid, the improvement comprising : removing a vapor stream containing water from the lower fourth of said column.

Complete Specification 16 pages.

Drgs. 1 Sheet.

CLASS 3A, 17D.

147954.

Int. Cl.-C02d 1/04.

PORTABLE APPARATUS FOR CARBONATING WATER.

Applicants : SODASTREAM LIMITED, OF 21, WAINMAN ROAD, WOODSTON, PETERBOROUGH, PE2, OHS, ENGLAND.

Inventor : GUY GILBEY,

Application No. 554/Del/78 filed on 28th July, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

Portable apparatus for carbonating water comprising a pressure vessel and a header tank, the vessel having a valved bottom inlet to admit fresh water from the header tank to the pressure vessel and a valved outlet in an upper region of the vessel for discharging carbonated water, and an injection nozzle for admitting CO₂ under pressure to a lower region of the vessel, and characterized in that the inlet and outlet valves take the form of pistons which are rigidly connected together to form a unitary plunger and have areas exposed within the pressure vessel, whereby the plunger is substantially pressure balanced.

Complete Specn. 11 pages.

Drg. Sheets 4.

CLASS 107K.

147955.

Int. Cl.-F01I 3/06.

AN INLET VALVE ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE.

Applicants & Inventor : ANTHONY OSBORNE DYE, OF 48 THORNTON COURT, GIRTON, CAMBRIDGESHIRE, ENGLAND AND DAVID HOWARD LITTLECHILD, OF 29 HIGH STREET, OAKINGTON, CAMBRIDGESHIRE, FORMERLY OF 105 CAMBRIDGE ROAD, MILTON, CAMBRIDGESHIRE, ENGLAND.

Application No. 585/Del/78 filed on 8th August, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

28 Claims

An inlet valve assembly for an internal combustion engine, which assembly comprises a valve, a seat for the valve and gas distribution means, said gas distribution means comprising at least one plurality of circumferentially spaced walls defining between them passages which serve, when the valve in its open position, to divide the gas passing between the valve and the seat into a plurality of circumferentially spaced jets each having a radial component of motion, the total cross-sectional area of the outlet ends of the passages constituting 55 to 25% of the total area between the valve in its open position and the seat.

Complete Specn. 22 pages.

Drg. 7 Sheets.

CLASS 182D. 147956.
Int. Cl.-B01d 21/02.

A FLASH TANK FOR USE WITH A CLARIFIER.

Applicants & Inventor: BHUSHAN LAL MITTAL OF 12, AVAS VIKAS, CIVIL LINES, MORADABAD-244 001, INDIA.

Application No. 611/Del/78 filed on 16th August, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

A flash tank for use with a clarifier comprising a housing having a base of a conical section, a top cover member for said housing, a flash vent provided on the said top cover member characterized in that an inlet is provided in said base, an outlet, being disposed between said inlet and flash vent, said outlet extending within said housing.

Complete 12 pages

Drg. 1 Sheet.

CLASS 206E. 147957.
Int. Cl.-H011 9/00.

A METHOD OF FABRICATING A REVERSE BLOCKING DIODE THYRISTOR.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: CHANG KWEI CHU, JOHN BARTKO AND PATRICK ELIO FELICE.

Application No. 524/Cal/77 filed April 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A method of fabricating a reverse blocking diode thyristor by decreasing the turn-off time of an original reverse blocking diode thyristor semiconductor body without significantly affecting other electric characteristics, comprising the steps of: positioning a major surface of the original reverse blocking diode thyristor semiconductor body in the proximity of a radiation source; and thereafter irradiating the reverse blocking diode thyristor semiconductor body with the radiation source having an energy level between 1 MeV and 2 MeV to a dosage level corresponding to between 4×10^{13} and 2×10^{14} particles/cm².

Comp. Specn. 16 Pages.

Drg. 1 Sheet.

CLASS 136B. 147958.
Int. Cl.-B29d 23/00.

APPARATUS FOR PRODUCING THERMOPLASTIC TUBING.

Applicant & Inventor: GERMAN PAUL HEINRICH LUPKE, OF 46, STORNOWAY CRESCENT, THORNHILL, ONTARIO, CANADA AND MANFRED ARNO ALFRED LUPKE, OF 35, IRONSHIELD CRESCENT, THORNHILL, ONTARIO, CANADA.

Application No. 17/Cal/78 filed January 5, 1978.

Convention date February 7, 1977/(271, 188/77) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

Apparatus for producing multi-walled thermoplastic tubing having a corrugated wall and a substantially smooth inner wall secured to a corrugated wall, the apparatus comprising a pair of complementary mold assemblies each of which has an endless array of articulately interconnected mold blocks, drive means for driving the mold blocks of each mold assembly in synchronism with the mold blocks of the other mold assembly along a forward run in which the mold blocks of the mold assemblies are in cooperative interengagement

to provide an axially extending tubular mold tunnel having a corrugated wall, and back along a return run, extrusion head means for forming a first tube of thermoplastic material at a first position and for forming a second tube of thermoplastic material at a second position spaced forwardly of said first position, and gas pressure means for urging the first tube of thermoplastic material outwardly against the cooperatively interengaged mold blocks forming the tubular mold tunnel to form the corrugated wall of the tubing, wherein a series of endless members are each mounted forwardly of said second position around rotatable end rolls for urging the second tube into securedment with the corrugations of the first tube.

Comp. Specn. 28 Pages.

Drg. 6 Sheets.

CLASS 32F1.

147959.

Int. Cl.-C07c 43/20.

METHOD OF PREPARING 2, 3-DICHLORO-1-LOWER ALKOXYBENZENES.

Applicants: SMITHKLINE CORPORATION OF 1500 SPRING GARDEN STREET, CITY OF PHILADELPHIA, COMMONWEALTH OF PHILADELPHIA, COMMONWEALTH OF PENNSYLVANIA, 19101, U.S.A.

Inventors: WILFORD LEE MENDELSON, ROBERT LEE WEBB AND JACQUELINE SUZANNE LAFOREST.

Application No. 494/Del/78 filed on July 1st, 1978.

Convention date August 25, 1977 (35640/1977) U.K.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims.

The method of preparing 2, 3-dichloro-1-lower-alkoxybenzenes comprising the reaction of 1, 2, 3-trichlorobenzene with an alkali metal lower alkoxide with heating at 100—200°C for from 1/4-24 hours in an inert organic solvent in which the reactants are soluble or miscible and having a dielectric constant of 20—50.

Complete Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 40F, 201 C&D.

147960.

Int. Cl.-B01d 21/00.

A PROCESS AND APPARATUS FOR PURIFICATION OF CONTAMINATED POLAR LIQUID.

Applicants: WILLIAM EDWARD LINDMAN, OF 10189 ORIOLE AVENUE, FOUNTAIN VALLEY, CALIFORNIA 92708, U.S.A. AND JOHN ALEXANDER ALEXANDER OF BOX 288, CAYUCOS, CALIFORNIA 93430, U.S.A.

Inventors: WILLIAM EDWARD LINDMAN AND JOHN ALEXANDER ALEXANDER.

Application No. 498/Del/78 filed on 3rd July, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

18 Claims.

A process for the purification of contaminated polar liquid by separating as a solid, a contaminant from the polar liquid in which it is minutely dispersed, said process comprising:

- supplying in an electrically insulated chamber a body of flowable material consisting essentially of the polar liquid having dispersed therein a minimum of about 0.1% by weight of contaminant particle which will accept a galvanic charge, all of which particles have a density of 1.05 to 2.0 g/cm³ and a size of 30 to 225 microns diameter with free surface energy of 100 to 500 ergs/cm²,
- introducing sulfur dioxide into said body of material and providing metal ions to impart a galvanic charge on said particles by providing free electrons through the flowable body while maintaining an acidic pH of 2.0 to 2.5,
- exposing the charged particles to oxidizing conditions produced by gaseous oxygen introduced therein

- (d) continuing the flow of said body of material through the electrically insulated environment so as to maintain the charge on said particles at a rate adapted to prevent coalescence of the particles;
- (e) changing the pH of the material to an alkaline pH of 8 to 11 to reverse the galvanic charge on the flowing particles;
- (f) electrically grounding said body of material to cause the charged particles to mutually coalesce and separate from the body of liquid as a solidified contaminant, and
- (g) separating said contaminant and liquid from each other and removing same from said chamber.

An apparatus for purification of contaminated polar liquid comprising a plurality of sequentially flow-connected units, each electrically insulated from the ground and including liquid flow control means for moving a liquid medium through each unit at a predetermined flow rate which prevents coalescence of particles suspended in the medium, said units being sequentially arranged as follows: (a) liquid inlet and container means including associated means for selectively macerating and distributing solid components which will accept a galvanic charge into the liquid medium; (b) acidic treatment means flow connected to said container means and including means for regulation of pH by selective introduction of acidic and gaseous oxidizing agents throughout the medium; (c) container and reactant means flow connected to said last reaction means and comprising a source of soluble metal ions adapted to mingle with the flowing medium for reaction with said acidic and oxidizing agents to impart a galvanic charge on said solid components, and means for subsequently aerating the medium by passing air therethrough; (d) neutralizing means flow connected to said last reactive means and including proximate means for introducing alkaline reagent into the medium and distant means for intimately mixing air into the alkaline flow stream with turbulence adapted to restrain precipitation from the medium; and (e) means for flocculating separable components of the alkaline flow stream including switch means for electrically grounding the alkaline medium.

Comp. Specn. 31 Pages.

Drg. 3 Sheets.

CLASS 31C, 126A & 206G.

147961.

Int. Cl.-H01C—7/04,

C01r—13/00 & 13/30.

AN APPARATUS FOR MEASURING THE TIME CONSTANT OF A THERMISTOR.

Applicants: THE CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

Inventors: SHRI VENKATESWAR MOHAN SHENOI & SIVAN PILLAI PARAMASIVAN PILLAI.

Application No. 500/Del/78 filed on July 5th 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

An apparatus for measuring the time constant of a thermistor comprising a first voltage source having the thermistor under test connected to the said first voltage source, a second and third voltage source, each of said second and third voltage sources having a constant output voltage corresponding to elevated and lower limit temperatures respectively, a display circuit capable of receiving a start signal (when the output voltage of said first voltage source is equal to that of said second voltage source, said display circuit also being capable of receiving a stop signal when the output voltage from said first voltage source is equal to that of said third voltage source).

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 170B.

147962.

Int. Cl.-C11d 3/00, 11/00.

A PROCESS FOR MAKING PARTICULARS DETERGENT COMPOSITIONS.

Applicant: HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors: (1) DAVID ELLIS CLARKE, (2) JAMES FRANCIS DAVIES, (3) JOHN BARRY TUNE, AND (4) RAYMOND JOHN WILDE.

Application No. 149/BOM/1978 filed May 15, 1978.

Convention date May 18, 1977 (20933/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

18 Claims. no Drawings.

A process for making a particulate detergent composition containing an alkali metal carbonate, detergent active compound or compounds and calcium carbonate which comprises contacting the alkali metal carbonate in particulate form optionally in admixture with calcium carbonate in powder form with a liquid or pasty detergent compound or compounds as herein described and adding thereto, if required, calcium carbonate in powder form and thoroughly admixing the same.

Comp. Specn. 25 Pages.

Drg. Nil.

CLASS 157D.

147963.

Int. Cl.-E01b 11/36

IMPROVED RAIL JOINT.

Applicant: MURUGAN & SONS, NO. 341, 8TH CROSS, WILSON GARDEN, BANGALORE-27, STATE OF KARNATAKA.

Inventor: SUBRAMANIYAM MURUGESAN.

Application No. 24/Mas/79 filed February 6, 1979.

Complete specification left April 21, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims.

A rail joint between adjacent ends of two rails on one side of a railway track, said joint comprising two fish plates one located on the outside of the track and the other on the inside of the track, the ends of the rails and the fish plates being secured together in a known manner such as by bolts and nuts and also by at least one locking means or device characterised in that said locking means or device consists of a first housing member and a second housing member provided on the outside and the inside fish plates and abutting against them and maintained in a non-rotatable manner and a third or connecting member rigidly secured at one end to the first housing member and secured rigidly and permanently at its outer end to the second housing member.

Prov. Specn. 7 pages; Comp. Specn 10 pages. Drg. 1 sheet.

CLASS 98H & I.

147964.

Int. Cl.-F28d 7/00, F28f 1/16, 1/40, 27/00, G05b 23/27.

A METAL HEAT EXCHANGE PANEL.

Applicant: GLIN CORPORATION, AT 427 NORTH SHAMROCK STREET, EAST ALTON, ILLINOIS, UNITED STATES OF AMERICA.

Inventor: VERNE LUTHER MIDDLETON.

Application No. 802/Cal/77 filed May 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A metal heat exchange panel having a desired system of internal tubular passageways for a heat exchange medium disposed between spaced apart portions of the thickness of said panel and defining opposed internal headers connected by internal connecting portions of said passageways extending therebetween, said internal passageways having entry and exit portions extending from said internal headers to opposed edges of said panel to provide ingress and egress openings.

for said heat exchange medium, wherein said connecting portions are provided with at least one constriction in internal diameter extending along at least a portion of the length of at least one of said connecting portions, said constriction serving to regulate the rate of flow of said heat exchange medium between all of said connecting portions.

Comp. Specn. 27 Pages.

Drg. 2 Sheets.

CLASS 206E.

147965.

Int. Cl.-H011 5/00.

A SEMICONDUCTOR DEVICE.

Applicant : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, UNITED STATES OF AMERICA.

Inventors : CARL FRANKLIN WHEATLEY, JR.

Application No. 1589/Cal/77 filed November 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A semiconductor device (10) comprising : a semiconductor body (12) having a surface (14) two regions (16, 18) of opposite conductivity type in said body (12) adjacent said surface (14), and a layer (22) of conductive material on said surface (14) of said body (12) in contact with one of said regions (14, 16), characterized by said layer (22) having a configuration comprising a first comb-like portion (24) having a first back (26) with ends and a first plurality of fingers (28) extending from said first back (24); said configuration also comprising a trunk portion (30) having a segment (32) substantially parallel to said first back (26) of said first comb-like portion (24), said trunk portion (30) contacting said first back of (26) said first comb-like portion (24) at a point intermediate said ends thereof

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS 9D.

147966.

Int. Cl.-C22c 37/04

IMPROVEMENTS IN AND RELATING TO THE PROCESS OF PRODUCTION OF SPHEROIDAL GRAPHITE IRON.

Applicant & Inventor : DR. SHILOWBHADRA BANERJEE, 505, GRANGER TERRACE SUNNYVALE, CALIFORNIA 74087, UNITED STATES OF AMERICA.

Application No. 156/Bom/78 filed May 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch

2 Claims. No Drawings.

1. A process for producing spheroidal graphite iron characterised in that the molten iron is desulphurized and/or deoxidised by treatment with a powder mixture consisting of calcium carbide and one or more aluminium, and/or calcium fluoride, and/or fluorospur, and/or aluminium fluoride and/or graphite and subsequently treating it with magnesium or any of its compounds or alloys producing magnesium in situ.

Comp. Specn. 8 Pages.

Drg. Nil.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Mining and Allied Machinery Corporation Ltd., to the grant of a patent on application No. 146987 made by Prabir Guin.

(2)

The application for patent No. 147077 made by Chittaranjan Gordhandas Jani in respect of which an opposition was entered, by M. P. Kinariwala Private Limited as notified in Part III Section 2 of the Gazette of India, dated the 24th May, 1980 has been treated as deemed to have been abandoned.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

147393 147394 147395 147396 147397 147398 147399 147400
147401 147402 147403 147404 147405 147406 147407 147408
147409 147410 147411 147412 147413 147414 147415 147416
147417 147418 147419 147420 147421 147422 147423 147424
147425 147426 147427 147428 147429 147430 147431 147432
147433 147434 147436 147437 147438 147439

PATENTS SEALED

140360 141412 145051 145247 145271 146716 146749 146751
146761 146762 146785 146789 146792 146794 146795 146802
146821 146822 146824 146871 146886

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Lucas Industries Limited, British Company, of Great King Street, Birmingham, B 192 X F England, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their patent No. 146811 for "Apparatus for use in the manufacture of a wiring harness". The amendments are by way of explanation, correction and disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

141220 Cummings Engine Company, Inc.

141628 Royal Packaging Industries Van Leer B. V.

RENEWAL FEES PAID

97996 100805 100918 100977 100980 101073 101201 101651
102266 104177 105648 105911 106482 106504 106647 106654
106663 106683 106735 106736 106889 106924 106989 107134
107215 107976 108156 108295 111414 111571 111660 111661
111701 111726 111727 111774 111873 112123 112167 112168
112282 112283 116856 117148 117182 117286 117340 117368
117382 17477 117496 117542 117818 118411 119667 122104
122246 122430 122552 122561 122582 122685 122706
122721 122722 122815 122818 122850 122854 122855 122891
122900 122903 123009 123181 123631 124159 124901 127621
127636 127648 127831 127838 127854 127887 127908 127958
127960 127967 128018 128031 128043 128088 128124 128182
128216 128226 128227 128228 128232 128548 128597 128934
132061 132161 132296 132355 132356 132357 132384 132385
132391 132393 132410 132411 132418 132427 132460 132472
132486 132505 132557 132567 132576 132608 132620 132622
132627 132639 132648 132659 132725 132734 132736 132832
133029 133053 133286 133287 133288 134339 134628 135708
135751 135776 135822 135995 136087 136123 136231 136237
136262 136494 136573 136585 136835 136856 136923 137025
137174 137276 137292 137343 138071 138345 138860 139184
139525 139646 139701 139769 139784 139853 139879 139921
139968 140060 140069 140075 140113 140135 140229 140230
140287 140314 140337 140467 140481 140495 140529 140700

140721 140734 140767 140795 140852 140863 140874 140944
 140993 141008 141010 141090 141182 141210 141278 141298
 141321 141556 141698 141745 141764 141768 141842 141849
 141868 141880 141902 142120 142123 142159 142236 142248
 142359 142467 142468 142502 142606 142627 142727 142880
 143036 143086 143113 143123 143148 143188 143206 143321
 143343 143408 143409 143480 143482 143503 143822 143899
 144018 144019 144023 144055 144091 144093 144096 144105
 144129 144300 144313 144366 144561 144569 144562 144750
 144840 144872 144983 145041 145193 145411 145414 145532
 145568 145699 145767 145778 145947 145972 145986 146057
 146098 146107 146108 146111 146137 146156 146160 146198
 146270 146271 146278 146279 146303 146310 146334 146349
 146368 146506 146584 146793

CESSATION OF PATENTS

114164 129715 137630 139452 141951 141967 141984 141991
 141994 141995 141996 141997 141998 142002 142013 142014
 142021 142024 142028 142030 142041 142043 142044 142052
 142054 142055 142058 142059 142063 142069 142094 142103
 142114 142116 142118 142122 142135 142136 142144 145798

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143592 granted to Dana Corporation for an invention relating to "Valve for a rotary valve engine". The patent ceased on the 12th March, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd May, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 23rd October 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143863 granted to Jute Textile Servicing Corporation for an invention relating to improved pickers for looms. The patent ceased on the 4th July, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd May, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 23rd October 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 149174. Pressure Cookers and Appliances Limited, United India Building, Pherozeshah Mehta Road, P.O. Box 1542, Bombay-400001, Maharashtra, India, an Indian Company. "Pressure Cooker". January 11, 1980.

Class 3. No. 149137. Auto Meters Ltd., 158-Cycle Market, Jhandewalan, New Delhi-110055, an Indian Limited Company. "Oil Pressure Gauge". January 3, 1980.

Class 3. No. 149138. Auto Meters Ltd., 158-Cycle Market, Jhandewalan, New Delhi-110055, an Indian Limited Company. "Fuel Gauge". January 3, 1980.

Class 3. No. 149139. Auto Meters Ltd., 158-Cycle Market, Jhandewalan, New Delhi-110055, an Indian Limited Company. "Fuel Efficiency Gauge". January 3, 1980.

Class 3. No. 149140. Auto Meters Ltd., 158-Cycle Market, Jhandewalan, New Delhi-110055, an Indian Limited Company. "Volts Meter". January 3, 1980.

Class 3. No. 149141. Auto Meters Ltd., 158-Cycle Market, Jhandewalan, New Delhi-110055, an Indian Limited Company. "Temperature Gauge". January 3, 1980.

Class 3. No. 149142. Auto Meters Ltd., 158-Cycle Market, Jhandewalan, New Delhi-110055, an Indian Limited Company. "Ampere Meter". January 3, 1980.

Class 3. No. 149143. Auto Meters Ltd., 158-Cycle Market, Jhandewalan, New Delhi-110055, an Indian Limited Company. "Speedometer". January 3, 1980.

Class 3. No. 149203. Sudarshan Puri of Indian Nationality, 150 Lower Chitpur Road, Calcutta-700073, West Bengal. "Baby Rocker Cum Walker". January 18, 1980.

Class 3. No. 149454. Mail Order Sales Private Limited, Mehta Mahal, 10th floor, 15, Mathew Road, Bombay-400004, Maharashtra State India, an Indian Company. "Body Massager". April 14, 1980.

Class 3. No. 149466. Sharad Plastics 238, Nagdevi Street, Bombay-400003, Maharashtra, an Indian Partnership Firm. "Ice Pail-cum-water jug". April 17, 1980.

Class 3. No. 149477. Amrit Pal, trading as Optical Centre and also as Bajaj Products, 913, Kedar Building, Clock Tower, Subzi Mandi, Delhi-110007, Indian National. "Container". April 22, 1980.

S. VEDARAMAN
 Controller General of Patents, Designs and
 Trade Marks.